

What is claimed is:

1. A cable comprising
a conductor core;
a filament wrapped around the conductor core in a spiral pattern; and
5 an insulator surrounding the filament-wrapped conductor core.
2. The cable of claim 1, wherein the conductor core is tinned copper, bare copper, or copper clad steel.
- 10 3. The cable of claim 1, wherein the filament is made of PVC.
4. The cable of claim 1, wherein the insulator is PVC.
5. The cable of claim 1, wherein the insulator is extruded over the filament wrapped
15 conductor core.
6. The cable of claim 1, wherein air is trapped adjacent to the filament resulting in a decrease in effective dielectric constant for the insulator.
- 20 7. The cable of claim 6, where in the effective dielectric constant of the insulator is about 1.4 to about 2.

8. The cable of claim 1, further comprising a second conductor surrounding the insulator.

9. The cable of claim 8, wherein the second conductor is braided.

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10. The cable of claim 8, further comprising a shielding material disposed between the second conductor and the insulator.

11. The cable of claim 10, wherein the shielding material is an aluminum/mylar tape.

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12. The cable of claim 8, wherein a jacket surrounds the second conductor.

13. The cable of claim 12, wherein the jacket is flame retardant.

15 14. A method for making a cable comprising the steps of
a) providing a conductor core;
b) wrapping a filament over the conductor core in a helical pattern; and
c) surrounding the filament-wrapped conductor core with an insulator.

20 15. The method of claim 14, wherein the conductor core is tinned copper, bare copper, or copper clad steel.

16. The method of claim 14, wherein the filament is made of PVC.

17. The method of claim 14, wherein the insulator is PVC.

18. The method of claim 14, wherein the insulator is extruded over the filament
5 wrapped conductor core.

19. The method of claim 14, wherein air is trapped adjacent to the filament resulting
in a decrease in effective dielectric constant for the insulator.

10 20. The method of claim 19, where in the effective dielectric constant of the insulator
is about 1.4 to about 2.

21. The method of claim 14, further comprising the step of surrounding the insulator
with a second conductor.

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22. The method of claim 21, wherein the second conductor is braided.

23. The method of claim 21, further comprising step of providing a shielding material
between the second conductor and the insulator.

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24. The method of claim 23, wherein the shielding material is an aluminum/mylar
tape.

25. The method of claim 23, further comprising surrounding the second conductor with a jacket.

26. The method of claim 25, wherein the jacket is flame retardant.

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27. A coaxial cable comprising
a conductor core;
a filament wrapped around the conductor core in a spiral pattern;
an insulator surrounding the filament-wrapped conductor core;
10 a second conductor surrounding the insulator; and
a jacket surrounding the second conductor.

28. The coaxial cable of claim 27, wherein the conductor core is tinned copper, bare copper, or copper clad steel.

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29. The coaxial cable of claim 27, wherein the filament is made of PVC.

30. The coaxial cable of claim 27, wherein the insulator is PVC.

20 31. The coaxial cable of claim 27, wherein the insulator is extruded over the filament wrapped conductor core.

32. The coaxial cable of claim 27, wherein air is trapped adjacent to the filament resulting in a decrease in effective dielectric constant for the insulator.

33. The coaxial cable of claim 32, where in the effective dielectric constant of the
5 insulator is about 1.4 to about 2.

34. The coaxial cable of claim 27, wherein the second conductor is braided.

35. The coaxial cable of claim 27, further comprising a shielding material disposed
10 between the second conductor and the insulator.

36. The coaxial cable of claim 35, wherein the shielding material is an aluminum/mylar tape.

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